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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/775,529	02/01/2001	Seong-Min Park	678-562 (P9449)	2261

7590

01/16/2004

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EXAMINER

LE, LANAN

ART UNIT PAPER NUMBER

2685

DATE MAILED: 01/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/775,529

Applicant(s)

PARK ET AL.

Examiner

Lana Le

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 February 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 10 and 11 is/are rejected.
- 7) ☒ Claim(s) 6-9 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____. 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000, therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

1. Claims 1-5, and 10-11 are rejected under 35 U.S.C. 102(e) as being anticipated by Cushman et al (US 6,125,287).

Regarding claim 1, Cushman et al discloses a key input method for diversifying key functions in a mobile telecommunication terminal, comprising the steps of:
detecting whether or not a user has inputted a key (col 3, lines 10-19);
detecting whether or not the user has consecutively inputted the same key before elapse of a predetermined time period for consecutive input (col 3, lines 23-27);

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if so, performing a newly set function according to the consecutive input of the same key (col 3, lines 23-27).

Regarding claim 2, Cushman further discloses the key input method of claim 1, further comprising a step of performing an original function of the inputted key when the user has not consecutively inputted the same key before elapse of the predetermined time period for consecutive input (col 3, lines 10-19).

Regarding claim 3, Cushman further discloses the key input method of claim 1, wherein the key is one of a plurality of alphanumeric keys in the mobile telecommunication terminal (col 4, lines 23-26).

Regarding claim 4, Cushman further discloses the key input method of claim 1, wherein the key is one a plurality of functional keys in the mobile telecommunication terminal (col 3, lines 10-19).

Regarding claim 5, Cushman et al discloses a key input method for diversifying key functions in a mobile telecommunication terminal, comprising:

detecting whether or not a user has inputted a key set for a scroll function when displaying a menu screen comprising a scroll (col 6, lines 14-21);

if so, detecting whether or not the input state of the key set for a scroll function is maintained for a predetermined period of time (col 6, lines 18-34); and

controlling the position of a cursor positioned at a particular item of the displayed screen depending on maintenance of the key input state for the predetermined period of time (col 4, lines 34-36).

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Regarding claim 10, Cushman et al further discloses the key input method of claim 5, wherein the key set for a scroll function is one of a plurality of alphanumeric keys in the mobile telecommunication terminal (col 3, lines 48-50).

Regarding claim 11, Cushman et al further discloses the key input method of claim 5, wherein the key set for a scroll function is one of a plurality of functional keys in the mobile telecommunication terminal (col 3, lines 43-47).

Allowable Subject Matter

2. Claims 6-9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding claim 6, Cushman discloses the key input method of claim 5, wherein Cushman discloses the controlling step comprises the following sub-steps if the menu screen comprises a scroll screen of upward and downward directions (col 6, lines 15-16); wherein cited prior art fails to further disclose:

moving and displaying the cursor of the menu item to a downward menu item when the key input state is not maintained for the predetermined period of time; and

moving and displaying the cursor of the menu item to an upward menu item when the key input state is maintained for the predetermined period of time.

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Regarding claim 7, Cushman further discloses the key input method of claim 5, wherein cited prior art fails to further disclose the method further comprising the sub-steps of:

moving and displaying the cursor of the menu item to an upward menu item when the key input state is not maintained for the predetermined period of time;

moving and displaying the cursor of the menu item to a downward menu item when the key input state is maintained for the predetermined period of time.

Regarding claim 8, Cushman further discloses the key input method of claim 5, wherein the cited prior art fails to further disclose the controlling step comprises the following sub-steps if the menu screen comprises a scroll screen of left and right directions:

moving and displaying the cursor of the menu item to a right menu item when the key input state is not maintained for the predetermined period of time; and

moving and displaying the cursor of the menu item to a left menu item when the key input state is maintained for the predetermined period of time.

Regarding claim 9, Cushman further discloses the key input method of claim 5, wherein the cited prior art fails to further disclose the method further comprising the sub-steps of:

moving and displaying the cursor of the menu item to a left menu item when the key input state is not maintained for the predetermined period of time; moving and

displaying the cursor of the menu item to a right menu item when the key input state is maintained for the predetermined period of time.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lana Le whose telephone number is (703) 308-5836.

The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on (703) 305-4385. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4750.


Lana Le



January 8, 2004


EDWARD F. URBAN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600